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RAW SEQUENCE LISTING
PATENT APPLICATION: US/10/083,590

DATE: 04/16/2002
 TIME: 16:01:16

Input Set : N:\Crf3\RULE60\10083590.raw
Output Set: N:\CRF3\04162002\J083590.raw

ENTERED

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1 <110> APPLICANT: IATROU, Kostas
2           FARRELL, Patrick J.
3           BEHIE, Leo A.
4 <120> TITLE OF INVENTION: SEQUENCES FOR IMPROVING THE EFFICIENCY OF SECRETION OF
5           NON-SECRETED PROTEINS FROM MAMMALIAN AND INSECT CELLS
6 <130> FILE REFERENCE: 028722-207
7 <140> CURRENT APPLICATION NUMBER: 10/083,590
8 <141> CURRENT FILING DATE: 2002-02-27
10 <150> PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: 09/256,694
W--> 11 <151> PRIOR FILING DATE: EARLIER FILING DATE: 1999-02-24
     14 <150> PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 09/136,421
W--> 15 <151> PRIOR FILING DATE: EARLIER FILING DATE: 1998-08-20
     16 <150> PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 60/056,871
W--> 17 <151> PRIOR FILING DATE: EARLIER FILING DATE: 1997-08-21
18 <160> NUMBER OF SEQ ID NOS: 14
19 <170> SOFTWARE: PatentIn Ver. 2.0
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22 <211> LENGTH: 43
23 <212> TYPE: DNA
24 <213> ORGANISM: Artificial Sequence
25 <220> FEATURE:
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35 <220> FEATURE:
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42 <211> LENGTH: 28
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44 <213> ORGANISM: Artificial Sequence
45 <220> FEATURE:
46 <223> OTHER INFORMATION: Description of Artificial Sequence:Primer for PCR
47 amplification.
48 <400> SEQUENCE: 3
49     gggctaccat ggagaaaaaa atcactgg          28

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51 <210> SEQ ID NO: 4
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55 <220> FEATURE:
56 <223> OTHER INFORMATION: Description of Artificial Sequence:Primer for PCR
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61 <210> SEQ ID NO: 5
62 <211> LENGTH: 30
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64 <213> ORGANISM: Artificial Sequence
65 <220> FEATURE:
66 <223> OTHER INFORMATION: Description of Artificial Sequence:Primer for PCR
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71 <210> SEQ ID NO: 6
72 <211> LENGTH: 29
73 <212> TYPE: DNA
74 <213> ORGANISM: Artificial Sequence
75 <220> FEATURE:
76 <223> OTHER INFORMATION: Description of Artificial Sequence:Primer for PCR
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78 <400> SEQUENCE: 6
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81 <210> SEQ ID NO: 7
82 <211> LENGTH: 42
83 <212> TYPE: DNA
84 <213> ORGANISM: Artificial Sequence
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88 <400> SEQUENCE: 7
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91 <210> SEQ ID NO: 8
92 <211> LENGTH: 25
93 <212> TYPE: DNA
94 <213> ORGANISM: Artificial Sequence
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102 <211> LENGTH: 31
103 <212> TYPE: DNA
104 <213> ORGANISM: Artificial Sequence

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106 <223> OTHER INFORMATION: Description of Artificial Sequence:Primer for PCR
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115 <220> FEATURE:
116 <223> OTHER INFORMATION: Description of Artificial Sequence:Primer for PCR
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126 <223> OTHER INFORMATION: Description of Artificial Sequence:Primer for PCR
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132 <211> LENGTH: 17
133 <212> TYPE: PRT
134 <213> ORGANISM: Artificial Sequence
135 <220> FEATURE:
136 <223> OTHER INFORMATION: Description of Artificial Sequence:Has a cleavage
137   site recognized by the protease porcine intestine
138   enteropeptidase.
139 <400> SEQUENCE: 12
140   Pro His His His His His Gly Gly Gly Asp Asp Asp Asp Lys Asp
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142   Pro
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146 <212> TYPE: DNA
147 <213> ORGANISM: Heliothis virescens
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150   caggagacaa attcgcgcag cgtggcgcc catctggact cccgcattat acgcggcggtg 120
151   cccgcgtcag cggatggcat caagttcgcc agcttcctag gagtgcccta cgcttaagcag 180
152   ccttgtggag aactcaggtt taaggagctc gagcctctag aaccttggga taatatcctg 240
153   aacgcacaa atgaaggacc catctgttcc caaacagatg tattatacgg gaggctcatg 300
154   gcggcaagcg agatgagcga ggcttgcata tacgccaaca ttcatgttcc atggcaaagc 360
155   cttccccgag tgagggggac cacaccttta cggcctatcc tggtgttcat acatggtgga 420
156   ggatttgctt tcggctccgg ccacgaggac ctacacggac cagaatattt ggtcaactaag 480
157   aatgtcatcg tcatcacgtt taattacaga ttgaacgtct tcggtttcat gtccatgaac 540

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158 acaacaaaaa tccccggaa tgccggtctc cgggatcagg taaccctgtt gcgctgggtg 600
159 caaaggaacg ccaagaattt cgaggagac cccagcgaca tcaccatagc ggggcagagc 660
160 gctggtgcat cagctgcgca tctactgact ctttctaaag ctactgaagg tctttcaaa 720
161 agagcgattc ttagtggcg aacaggaatg agctacttct ttactacttc tccactttc 780
162 gcgccctaca tttcgaaaca gtgttgc当地 atcctggca atcaacgaga cggatccgaa 840
163 gaaatacatc ggcagctcat cgacacctcc gcagagaaac tgaacgaggc taacgccgtc 900
164 ctgattgaac aaattggcct gacaaccttc ctccctattt tggaaatcccc actacctgga 960
165 gtaacaacca ttattgacga ttagtccagaa atcttaatag ccgaaggacg cggcaagaat 1020
166 gttccacttt taatagatt taccagctca gaatgc当地 cttccgc当地 tcgactattt 1080
167 aactttgtc tctgtcaaaa gattcaggac aatcctacga tcataatacc gcctaaactt 1140
168 ttatatttga ctccaccaga gctgttgc当地 gaatttagcaa agactatcga gagaaagtac 1200
169 tacaacggta caataagtat cgataacttc gtaaaatcat gttcagatgg cttctatgaa 1260
170 taccctgcat tggaaactggc gcaaaaacgt gccgaaacttgc gtggagctcc actgtacttt 1320
171 taccgggtcg cgtacgaggc tcagaacacgc atcatcaaga aggtaatggg gctgaaccac 1380
172 gaggggtgtcg gccacattga ggacttaacc tatgtgttta aggtcaactc tatgtccgaa 1440
173 gctctgcacg catgc当地 tc当地 gatgtat gtggaaatga agaatctaat gacgggctat 1500
174 ttcttaaatt ttataaagtg cagtcaaccg acatgc当地 acaataactc attggaggtg 1560
175 tggccggcta acaacggcat gcaatacggc gacattgttgc当地 ctcccaccat catcagatcc 1620
176 aaggagttcg cctccagaca acaagacatt atcgagttct tc当地 caccagttt caccagtaga 1680
177 agcccgcttg a 1691
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180 <211> LENGTH: 435
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182 <213> ORGANISM: Human
183 <400> SEQUENCE: 14
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185 cgctcgccca gccc当地 cagcac gc当地 cc当地 tgg gagcatgtga atgccatcca ggaggccc当地 120
186 cgtctcctga acctgagtag agacactgct gctgagatga atgaaacagt agaagtcatc 180
187 tc当地 gaaatgt ttgacccca ggagccgacc tgc当地 tacaga cccgc当地 tgg gctgtacaag 240
188 caggccctgc ggggcagcct caccaagctc aaggccccc当地 tgaccatgat gccc当地 agccac 300
189 tacaaggc当地 actgc当地 cc当地 aaccccgaa acttcctgtg caacccagat tatcacctt 360
190 gaaagtttca aagagaacctt gaaggactt ctgcttgc当地 tccc当地 ttgta ctgctggag 420
191 cc当地 gtccagg agtga 435

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VERIFICATION SUMMARY

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